APPLIED Schedule - Each topic has 3 links which is a mixture of worksheets and videos.

Week	Dates	Topic	Skills	Links		
Week 1	19 Jan – 25 Jan	**Statistical Sampling**	Identify population vs sample Compare sampling methods Evaluate bias sources	PMT	AJMaths	MathsGenie
Week 2	26 Jan – 01 Feb	**Constant Acceleration**	Velocity-timegraphs SUVAT Distinguish speed vs velocity	PMT	AJMaths	MathsGenie
Week 3	02 Feb – 08 Feb	**Data presentation**	Draw system diagrams Apply tension relations Use pulleys/inclines	PMT	AJMaths	MathsGenie
		Data interpretation			AJMaths	MathsGenie
Week 4	09 Feb – 15 Feb	**Forces and motion**	Force diagrams and calculate resultant force Newton's first,second and third law F=ma	PMT	AJMaths	MathsGenie
Week 5	16 Feb – 22 Feb	**Probability**	Use set notation Apply independence/mutual exclusion Construct tree/Venn diagrams	PMT	AJMaths	MathsGenie
Week 6	23 Feb – 01 Mar	**Variable Acceleration**	Use differentiation to solve kinematics problems Maxima and minima Use integration to solve kinematics problems	PMT	AJMaths	MathsGenie
Week 7	02 Mar – 08 Mar	**Discrete Random Variables**	Probability distribution table Piecewise function Discrete uniform distribution		AJMaths	MathsGenie
Week 8	09 Mar – 15 Mar	**Moments**	Calculate moments Use equilibrium Solve ladder problems	PMT	AJMaths	MathsGenie
Week 9	16 Mar – 22 Mar	**Binomial Distribution**	Identify binomial conditions Calculate binomial probs Interpret parameters n,p	PMT	AJMaths	MathsGenie
Week 10	23 Mar – 29 Mar	**Projectiles**	Resolve velocity into components Use projectile formulae Problems involving particles projected at an angle	PMT	AJMaths	MathsGenie
Week 11	30 Mar – 05 Apr	**Kinematics with calculus**	x(t), v=dx/dt, a=dv/dt Integrate a→v, v→x Use initial conditions	PMT	AJMaths	MathsGenie
Week 12	06 Apr – 12 Apr	**Normal distribution**	Standardise using z-scores Find Normal probabilities Interpret μ and σ	PMT	AJMaths	MathsGenie
Week 13	13 Apr – 19 Apr	**Resolving forces**	F=ma modelling Resolve on smooth or rough inclined planes Friction: Use $F \leq \mu R$	PMT	AJMaths	MathsGenie
Week 14	20 Apr – 26 Apr	**Hypothesis testing - binomial**	Set up hypothesis test Calculate p-value and critical regions Conclude in context	PMT	AJMaths	MathsGenie
		Hypothesis testing - normal		PMT	AJMaths	MathsGenie
Week 15	27 Apr – 03 May	**Connected particles**	Draw system diagrams Apply tension relations Use pulleys/inclines	PMT	AJMaths	MathsGenie
Week 16	04 May - 10 May	**Regression and Correlation**	Exponential models in bivariate data PMCC Hypothesis test for zero correlation	PMT	AJMaths	MathsGenie
Week 17	11 May - 17 May	**Statics of rigid bodies**	Static problems involving weight,tension and pulleys Rotational forces acting on an object Body and resultant force	PMT	AJMaths	MathsGenie
Week 18	18 May - 24 May	**Conditional Probability**	Construct tree/Venn diagrams Calculate $P(A \mid B)$ Interpret dependence	PMT	AJMaths	MathsGenie